

Iron Spectrum from 2797.777 to 3306.37A. Iron arc taking 4 amperes, run on 220 volts D.C.  
Spectrogram taken on a Hilger E1 Quartz Spectrograph.

BURNS' VALUES	KAYSER'S VALUES
2797.777	2804.51
	2806.98
2813.288	2815.31
2817.506	2823.28 & .68
	2825.55
2828.808	2832.43
	2838.13
	2843.63
	2845.57
2848.714	2853.72
2851.798	2863.86
2858.898	2869.31
2866.629	
2874.176	2877.29
	2880.77
2887.808	2883.73
	2894.51
2899.418	2895.04
	2901.94
	2907.52
2912.161	
	2918.03
	2923.30 & .40
	2923.85
	2936.91
2941.343	
	2947.38
	2953.94
2959.996	2965.26
	2969.40 & .51
2976.130	2970.11
	2981.45
2987.293	
2990.394	2994.43
	3003.02
	3009.57
3011.484	3018.98
	3025.73 & .84
3024.035	3031.63
3030.150	
	3041.63 & .74
3040.430	3042.03
3045.082	3047.60
	3057.44
	3059.08
	3067.24
3068.180	3075.725
3083.745	3099.94
3091.581	3100.67
3116.632	3119.61
3125.663	3120.42
3129.334	3134.10
3142.888	3151.34
	3153.19
3155.293	3160.64
3161.370	3168.86
3171.353	3175.447
	3180.21 & .73
	3188.84
3184.903	3192.80
3191.666	3205.39
3202.562	3214.06
	3217.38
3217.389	3222.06
	3227.80 & .75
3233.061	3236.22
	3244.18
3246.015	3254.36
3265.057	3265.62
3268.246	3271.003
3280.268	3286.76
3292.029	
3298.137	3305.97
	3306.37

No. 3.

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The 149 wavelengths marked "Kayser's Values" are as given in his "Handbuch der Spectroscopie," Vol. 6. Those given to .001A are identical with those of Fabry and Buisson (Astroph. J. 28, 195, 1908; Journal de Phys. (4), 169-195, 1908). The values marked "Burns' Values" are as given in the Lick Observatory Bulletin, No. 247. All wavelengths are in I.A.

For full particulars of the international scale of wavelengths and complete list of standards to date, see "Wavelength Tables for Spectrum Analysis" by F. Twyman, published by Adam Hilger Ltd.